

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24809	surface condition\$1	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:27
L2	892	1 and ("204".clas. or "205".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:23
L3	58	2 and (calibration or calibrating or calibrate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:23
L4	1001	1 same (shiny or rough or dull)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:27
L5	46	4 and ("204".clas. or "205".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:05
L6	1	"6402931".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:05
L7	21	("3616346"   "3654116"   "4060467"   "4097710"   "4110190"   "4113587"   "4153524"   "4496436"   "4655888"   "4880509"   "4885066"   "5143586"   "5242556"   "5306402"   "5833835"   "RE26620").PN. OR ("6402931").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 10:47
L8	24	("20020153246"   "20030010642"   "4125444"   "5599437"   "5804057"   "6080504"   "6203684"   "6210555"   "6214200"   "6221235"   "6231748"   "6248222"   "6303014"   "6309528"   "6315883"   "6319384"   "6395152"   "6402931"   "6440289"   "6440295"   "6447668"   "6524461"   "6551485"   "6558231").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:22
L9	1	09/688378.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:22
L10	1	10/511811.app. and fourier	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 10:47
S9	10	"36654116" or "5833835"	US-PGPUB; USPAT	ADJ	ON	2007/09/12 15:18

## EAST Search History

S10	13	("3357906"   "3654116"   "4264417"   "4487671"   "4880509").PN. OR ("5833835").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:28
S11	9	("3654116").URPN.	USPAT	ADJ	ON	2007/08/06 15:36
S12	21	("3616346"   "3654116"   "4060467"   "4097710"   "4110190"   "4113587"   "4153524"   "4496436"   "4655888"   "4880509"   "4885066"   "5143586"   "5242556"   "5306402"   "5833835"   "RE26620").PN. OR ("6402931").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:36
S13	8	("5486280"   "5720866"   "5972192"   "6221235"   "6402931"   "6558231").PN. OR ("6750144").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:43
S14	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:54
S15	143	205/646.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 16:30
S16	13	(optimizing or optimal) and S15	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 16:54
S17	3	(calibration or calibrating or calibrate) and S15	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 16:54
S18	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:52
S19	595310	calibration or optimization or optimize or optimizing or calibrating	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:52
S20	186922	puls\$3 near2 (duration or time or length)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:53
S21	1567	S19 with S20	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:53

## EAST Search History

S22	70544	electro\$1machin\$3 or electro\$1polish\$3 or planariz\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:53
S23	7	S21 and S22	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:58
S24	4806	S19 same S20	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:58
S25	121	S24 and ("204".clas. or "205".clas. or "438".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:59
S26	8	("5486280"   "5720866"   "5972192"   "6221235"   "6402931"   "6558231").PN. OR ("6750144").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 16:24
S27	1	09/080264.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 16:26
S28	1	09/688378.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 16:27
S29	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 17:12
S30	62	205/659.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 10:42
S31	6	("7101465" or "6875335" or "6743349" or "6602396" or "6368493" or "6121152").pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 13:13
S32	1	"6402931".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 13:13
S33	21	("3616346"   "3654116"   "4060467"   "4097710"   "4110190"   "4113587"   "4153524"   "4496436"   "4655888"   "4880509"   "4885066"   "5143586"   "5242556"   "5306402"   "5833835"   "RE26620").PN. OR ("6402931").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 13:13
S34	6	("5833835").URPN.	USPAT	ADJ	ON	2007/08/08 14:48
S39	1	"5833835".pn.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:59

## EAST Search History

S40	13	("3357906"   "3654116"   "4264417"   "4487671"   "4880509").PN. OR ("5833835").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 15:19
S44	4	"6143155".pn. or "6251235".pn. or 2003/0226764	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:02
S45	23	2001/0035354	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:04
S46	22	2001/0035354 and ashjaee	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:04
S47	0	2001/0035354 and ashjaee.in.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:04
S48	1	"20010035354" and ashjaee.in.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:19
S49	0	"6764590.pn"	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:19
S50	0	"6764590.pn."	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:19
S51	1	"6764590".pn.	US-PGPUB; USPAT	ADJ	ON	2007/08/09 15:44
S52	1	10/828346.app.	US-PGPUB; USPAT	ADJ	ON	2007/08/09 15:46
S53	1	"6958058"	US-PGPUB; USPAT	ADJ	ON	2007/08/09 15:46
S54	1	"6958098"	US-PGPUB; USPAT	ADJ	ON	2007/08/09 16:30
S59	0	"3654116".pn. and electrolyte	US-PGPUB; USPAT	ADJ	ON	2007/08/13 13:04
S60	0	"3654116".pn. and solution	US-PGPUB; USPAT	ADJ	ON	2007/08/13 13:04
S61	0	"3654116".pn. and electrolytic	US-PGPUB; USPAT	ADJ	ON	2007/08/13 13:05
S62	0	"3654116.pn"	US-PGPUB; USPAT; USOCR; FPRS	ADJ	ON	2007/08/13 13:06
S63	0	"3654116.pn"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 13:06
S64	2	"3654116".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 13:06
S65	1	"3654116".pn. and electrolyte	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:22

## EAST Search History

S66	1	"3654116".pn.	US-PGPUB; USPAT	ADJ	ON	2007/08/30 14:55
S67	234326	(optimization or optimizing)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:40
S68	336520	pulse with (width or time or duration or length)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:39
S69	2253	S67 same S68	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:40
S70	1116825	(electroplating or electrolytic machin\$3 or electrochemical or planarization or substrate or wafer)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:40
S71	414873	(optimization or optimizing or optimize)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:41
S72	5010	S71 same S68	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:41
S74	1846	S72 and S70	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:42
S75	58634	(bipolar with pulse) or (positive same negative same polar\$3)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:43
S76	170	S74 and S75	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:48
S77	100	S72 and ("204".clas. or "205".clas. )	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:48
S78	18	"6319384"	US-PGPUB; USPAT	ADJ	ON	2007/08/30 16:29
S79	9	"6309528"	US-PGPUB; USPAT	ADJ	ON	2007/08/30 16:29
S80	18	"6319384"	US-PGPUB; USPAT	ADJ	ON	2007/08/30 16:37
S81	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 16:46
S82	1	09/080264.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 16:47
S83	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 15:15
S84	0	"36654116".pn.	US-PGPUB; USPAT	ADJ	ON	2007/09/12 15:18

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24809	surface condition\$1	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:27
L2	892	1 and ("204".clas. or "205".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:23
L3	58	2 and (calibration or calibrating or calibrate)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:23
L4	1001	1 same (shiny or rough or dull)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:27
L5	46	4 and ("204".clas. or "205".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:05
L6	1	"6402931".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:05
L7	21	("3616346"   "3654116"   "4060467"   "4097710"   "4110190"   "4113587"   "4153524"   "4496436"   "4655888"   "4880509"   "4885066"   "5143586"   "5242556"   "5306402"   "5833835"   "RE26620").PN. OR ("6402931").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 10:47
L8	24	("20020153246"   "20030010642"   "4125444"   "5599437"   "5804057"   "6080504"   "6203684"   "6210555"   "6214200"   "6221235"   "6231748"   "6248222"   "6303014"   "6309528"   "6315883"   "6319384"   "6395152"   "6402931"   "6440289"   "6440295"   "6447668"   "6524461"   "6551485"   "6558231").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:22
L9	1	09/688378.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 09:22
L10	1	10/511811.app. and fourier	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 10:47
S9	10	"36654116" or "5833835"	US-PGPUB; USPAT	ADJ	ON	2007/09/12 15:18

## EAST Search History

S10	13	("3357906"   "3654116"   "4264417"   "4487671"   "4880509").PN. OR ("5833835").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:28
S11	9	("3654116").URPN.	USPAT	ADJ	ON	2007/08/06 15:36
S12	21	("3616346"   "3654116"   "4060467"   "4097710"   "4110190"   "4113587"   "4153524"   "4496436"   "4655888"   "4880509"   "4885066"   "5143586"   "5242556"   "5306402"   "5833835"   "RE26620").PN. OR ("6402931").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:36
S13	8	("5486280"   "5720866"   "5972192"   "6221235"   "6402931"   "6558231").PN. OR ("6750144").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:43
S14	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 15:54
S15	143	205/646.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 16:30
S16	13	(optimizing or optimal) and S15	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 16:54
S17	3	(calibration or calibrating or calibrate) and S15	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/06 16:54
S18	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:52
S19	595310	calibration or optimization or optimize or optimizing or calibrating	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:52
S20	186922	puls\$3 near2 (duration or time or length)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:53
S21	1567	S19 with S20	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:53

## EAST Search History

S22	70544	electro\$1machin\$3 or electro\$1polish\$3 or planariz\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:53
S23	7	S21 and S22	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:58
S24	4806	S19 same S20	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:58
S25	121	S24 and ("204".clas. or "205".clas. or "438".clas.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 10:59
S26	8	("5486280"   "5720866"   "5972192"   "6221235"   "6402931"   "6558231").PN. OR ("6750144").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 16:24
S27	1	09/080264.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 16:26
S28	1	09/688378.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 16:27
S29	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/07 17:12
S30	62	205/659.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 10:42
S31	6	("7101465" or "6875335" or "6743349" or "6602396" or "6368493" or "6121152").pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 13:13
S32	1	"6402931".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 13:13
S33	21	("3616346"   "3654116"   "4060467"   "4097710"   "4110190"   "4113587"   "4153524"   "4496436"   "4655888"   "4880509"   "4885066"   "5143586"   "5242556"   "5306402"   "5833835"   "RE26620").PN. OR ("6402931").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 13:13
S34	6	("5833835").URPN.	USPAT	ADJ	ON	2007/08/08 14:48
S39	1	"5833835".pn.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 14:59



## EAST Search History

S40	13	("3357906"   "3654116"   "4264417"   "4487671"   "4880509").PN. OR ("5833835").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/08 15:19
S44	4	"6143155".pn. or "6251235".pn. or 2003/0226764	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:02
S45	23	2001/0035354	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:04
S46	22	2001/0035354 and ashjaee	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:04
S47	0	2001/0035354 and ashjaee.in.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:04
S48	1	"20010035354" and ashjaee.in.	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:19
S49	0	"6764590.pn"	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:19
S50	0	"6764590.pn."	US-PGPUB; USPAT	ADJ	ON	2007/08/08 17:19
S51	1	"6764590".pn.	US-PGPUB; USPAT	ADJ	ON	2007/08/09 15:44
S52	1	10/828346.app.	US-PGPUB; USPAT	ADJ	ON	2007/08/09 15:46
S53	1	"6958058"	US-PGPUB; USPAT	ADJ	ON	2007/08/09 15:46
S54	1	"6958098"	US-PGPUB; USPAT	ADJ	ON	2007/08/09 16:30
S59	0	"3654116".pn. and electrolyte	US-PGPUB; USPAT	ADJ	ON	2007/08/13 13:04
S60	0	"3654116".pn. and solution	US-PGPUB; USPAT	ADJ	ON	2007/08/13 13:04
S61	0	"3654116".pn. and electrolytic	US-PGPUB; USPAT	ADJ	ON	2007/08/13 13:05
S62	0	"3654116.pn"	US-PGPUB; USPAT; USOCR; FPRS	ADJ	ON	2007/08/13 13:06
S63	0	"3654116.pn"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 13:06
S64	2	"3654116".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/08/13 13:06
S65	1	"3654116".pn. and electrolyte	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/13 08:22

## EAST Search History

S66	1	"3654116".pn.	US-PGPUB; USPAT	ADJ	ON	2007/08/30 14:55
S67	234326	(optimization or optimizing)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:40
S68	336520	pulse with (width or time or duration or length)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:39
S69	2253	S67 same S68	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:40
S70	1116825	(electroplating or electrolytic machin\$3 or electrochemical or planarization or substrate or wafer)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:40
S71	414873	(optimization or optimizing or optimize)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:41
S72	5010	S71 same S68	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:41
S74	1846	S72 and S70	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:42
S75	58634	(bipolar with pulse) or (positive same negative same polar\$3)	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:43
S76	170	S74 and S75	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:48
S77	100	S72 and ("204".clas. or "205".clas. )	US-PGPUB; USPAT	ADJ	ON	2007/08/30 15:48
S78	18	"6319384"	US-PGPUB; USPAT	ADJ	ON	2007/08/30 16:29
S79	9	"6309528"	US-PGPUB; USPAT	ADJ	ON	2007/08/30 16:29
S80	18	"6319384"	US-PGPUB; USPAT	ADJ	ON	2007/08/30 16:37
S81	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 16:46
S82	1	09/080264.app.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/11 16:47
S83	12	("3585341"   "3624336"   "4202739"   "5049246"   "5256262"   "5378330"   "5507923"   "6139715").PN. OR ("6558231").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/12 15:15
S84	0	"36654116".pn.	US-PGPUB; USPAT	ADJ	ON	2007/09/12 15:18